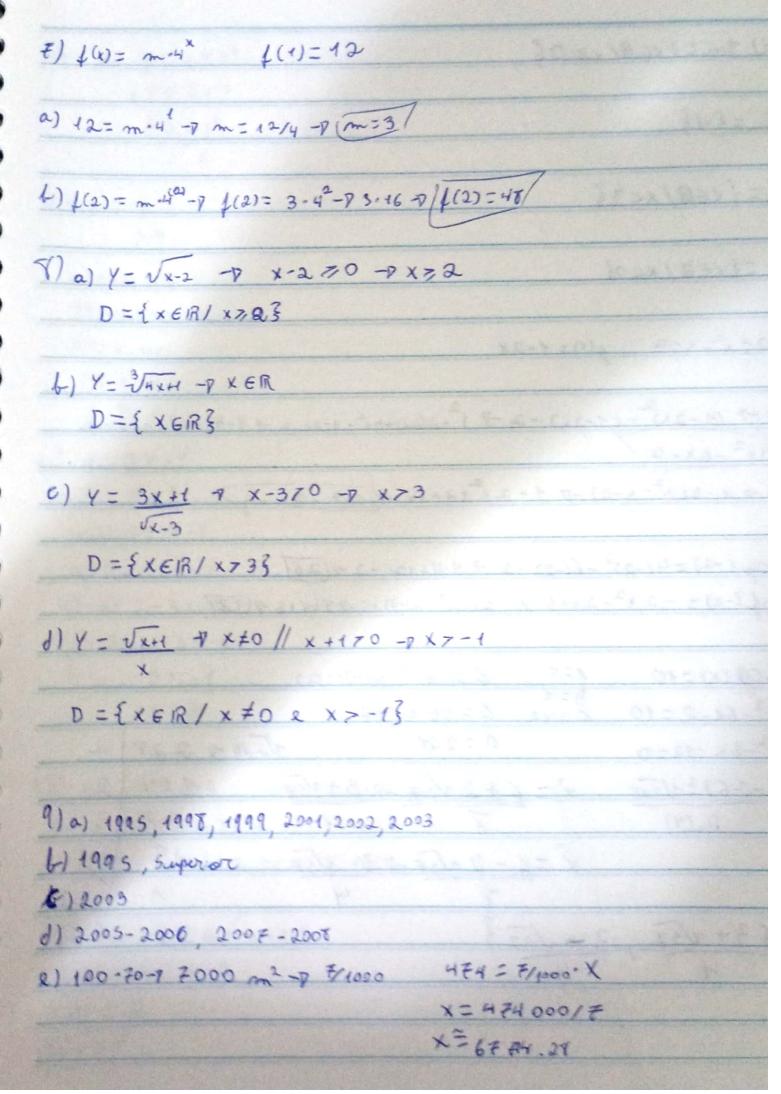


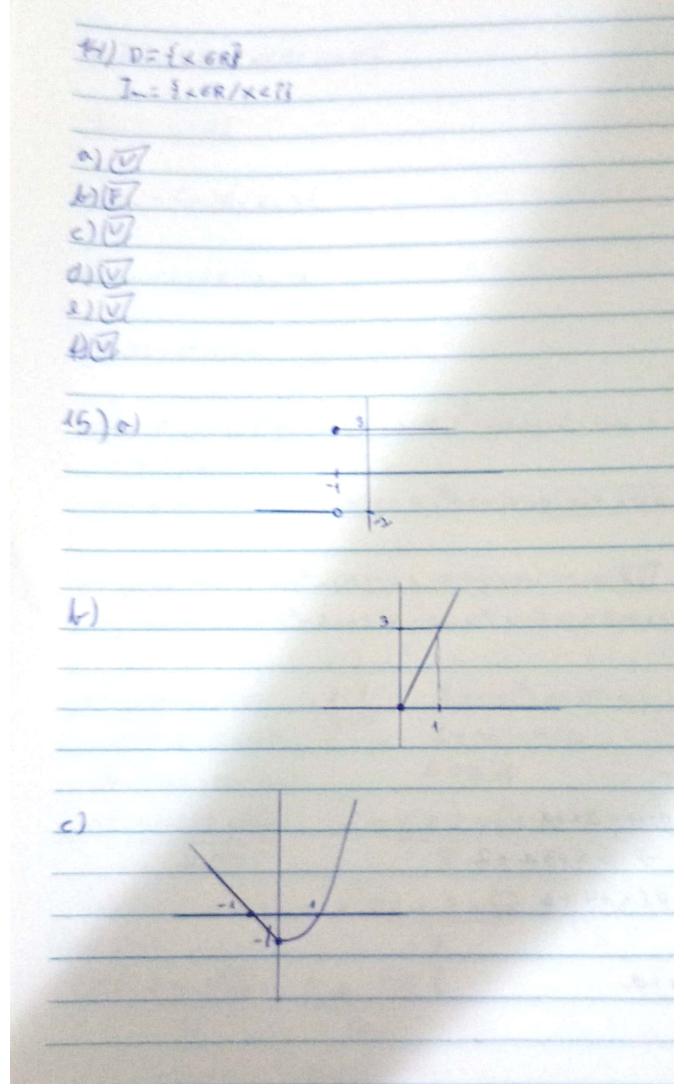
4)	$f(x) = x^2 + 1$ $f(-x) = (-x)^2 + 1$
	$x^{2} + 1 = (-x)^{2} + 1$
	$x^{2}=(-x)^{2}$
	0=0 (PAR
b) g(x	$1 = x^{3}/6$ $g(-x) = (-x)^{3}/6$
	x3/4=(-x)3/6
	$x^{\flat} = -x^{\flat}$
	X=-X (ImPAR
	The same of the same of the same of the grade to
1 hex	$=(x+1)^2$ $((-x)=((-x)+1)^2$
	$(x+1)^2 = ((-x)+1)^2$
	x2+2x+1=c-x+c-x)2+1
	2x=-2x (NAO)
11	
d) $\pi(x)$	= 5x 7(-x) = 3cn
Mark Market	₹x = ₹(-x)
	* = - 3/x * = - x
	x=-x
	+x=+x
	XX / JMPAR
e) g(x) =	4 (-8) = 64
10,-	$\frac{x^{2}}{x^{2}+1}$ $\frac{9.(-x)=(-x)^{2}}{(-x)^{2}+1}$
	xx xx cxxxx
	XTY DAY
	<u>x</u> = x
	* X
	x= C (PAR)

```
5) L(x) = (3+x)-(2-x)
a) $(01 = (3+0)·(2-0) + 3.2 +6/
  $(-2) = (3 +(-2)) - (2-(-2)) -> 1-4-147
 4(1) = (3+1)-(2-1) -P 4-1-p4
b) f(a) = (3+a).(2-a)-7 6-3a+2a-a2-9 6-a-a2
  f(-a)=(3+c-a))-(2-(-a))-1 6-2a+3a-2-76+a-2
 fia)-fi-a1-D6-a-a2-(6+a-a2)-76-a-62-8-a ca2-8-2
6) y(x) = 3x^2 - x + 5 g(x) = -2x + 9
a) 4(0)+g(1) -P (3(0) -(0)+5)+(-2(1)+9) -P 5+9-2-9/72
   4(1) 3(1)2-(1)+5 3-1+5
F) g(x) = f(-3) +g(-4) + (36-3)2-(-3)+5+(-26-4)+9)
                     27+3+5+7+9
g(x=52
```



(0) a) Im={x6/1/x7	oş					
L) Im= {43						
c) Im= {x en/x < 3}						
1) Im = {xER/x<0}		78373				
(4) far-x-x-a go	x) = 1-2x					
64 fog -> (4-2x)2-(4-	-2×7-2-	P 12-2(2x)+1	12-1-2x-2	-9 1-4×+44	2-1-22	-2
30/ 7 4-2(x2-x-2)	21-2	2+2×14	V 0.2 12 X	+57		
301-24-214		× (***)	-42 -			
4) fog (-2) = 4(-2)2	-6(-2) -2	-P 4.4+12	-2-1(26)	YERRY	New York	
	-6(-2) -2	-P 4.4+12	-2-1(26)	YERRY		
4) $f \circ g(-2) = 4(-2)^2$ $g \circ f(-2) = -2 \times^2$ $t) f \circ g(x) = 10$	-6(-2) -2	2(-2)2-2(1) D=(-6)2-	-2-7(26))+5-78+4+1 4(4)(-12)	5-9(127		
4) $f \circ g(-2) = 4(-2)^2$ $g \circ f(-2) = -2 \times^2$ $t) f \circ g(x) = 10$ $4 \times^2 - 6x - 2 = 10$	-6(-2) -2 2×+5-0-	2(-2)2-2(1)	-2-7(26))+5-78+4+1 4(4)(-12)	YERRY	228	12
4) $f \circ g(-2) = 4(-2)^2$ $g \circ f(-2) = -2 \times^2$ $t) f \circ g(x) = 10$ $4 \times^2 - 6x - 2 = 10$ $4 \times^2 - 6x - 12 = 0$	-6(-2) -2 2×+5-0- 4=4 B=-6 C=-12	$2(-2)^{2} - 2(-2)^{2}$ $2(-2)^{2} - 2(-2)^{2}$ $1 = (-6)^{2}$ $1 = 36 + 4$ $1 = 228$	-2-7(26))+5-78+4+1 4(4)(-12) 192	5-9(TZ) V230-7		2 2
4) $f \circ g(-2) = 4(-2)^2$ $g \circ f(-2) = -2 \times^2$ $t) f \circ g(x) = 10$ $4 \times^2 - 6x - 2 = 10$	-6(-2) -2 2×+5-0- 4=4 B=-6 C=-12	$2(-2)^{2} - 2(1)$ $2(-2)^{2} - 2(1)$ $0 = (-6)^{2} - 1$ $1 = 36 + 1$	-2-7(26))+5-78+4+1 4(4)(-12) 192	5-9(TZ) V230-7	228	2 2 3
4) $f \circ g(-2) = 4(-2)^2$ $g \circ f(-2) = -2 \times^2$ $t) f \circ g(x) = 10$ $4 \times^2 - 6x - 2 = 10$ $4 \times^2 - 6x - 12 = 0$ $x = -(-6) \pm \sqrt{22}t$	$-6(-2) - 2$ $2 \times +5 -0 -$ $4 = 4$ $8 = -6$ $C = -12$ $x' = 6$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-2-7(26))+5-78+4+1 4(4)(-12) 192 -7 3+ Vs	5-9(TZ) V230-7	228	2 2 3
4) $f \circ g(-2) = 4(-2)^2$ $g \circ f(-2) = -2 \times^2$ $t) f \circ g(x) = 10$ $4 \times^2 - 6x - 2 = 10$ $4 \times^2 - 6x - 12 = 0$ $x = -(-6) \pm \sqrt{22}t$	$-6(-2) - 2$ $2 \times +5 -0 -$ $4 = 4$ $8 = -6$ $C = -12$ $x' = 6$	$2(-2)^{2} - 2(-2)^{2}$ $2(-2)^{2} - 2(-2)^{2}$ $1 = (-6)^{2}$ $1 = 36 + 4$ $1 = 228$	-2-7(26))+5-78+4+1 4(4)(-12) 192 -7 3+ Vs	5-9(TZ) V230-7	228	23
4) $f \circ g(-2) = 4(-2)^2$ $g \circ f(-2) = -2 \times^2$ $t) f \circ g(x) = 10$ $4 \times^2 - 6x - 2 = 10$ $4 \times^2 - 6x - 12 = 0$ $x = -(-6) \pm \sqrt{22}t$	$-6(-2) - 2$ $2 \times +5 -0 -$ $4 = 4$ $8 = -6$ $C = -12$ $x' = 6$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	-2-7(26))+5-78+4+1 4(4)(-12) 192 -7 3+ Vs	5-9(TZ) V230-7	228	23

12) a) x=64-4
6 Y = X + H
Y= X+H
6
b) x = 5
y-4 y-4
-x(y+4)=5
XY+4x=5
XY=5-4x
Y = 5 -H
×
c) x= 2Y-1
Y+3
XCY+3=2Y-1
xy+3x=2y-1
xY-2Y=-3x-1
Y(X-2) = -3X-1
Y = -3X - 1
x-2
13) $\psi(x) = 3x + 2$ $g(x) - 2x + a$
15) ((x) -) x 1 - P 6 x + 3 a + 2
Log=3(2x+a)+2-P6x+3a+2
gof = 2(3x+2)+a-P6x+4+a
6/x+3a+2=6/x+4+a
30-0-4-2
20=2
[0=1]



16)
$$f(x) = \frac{x-2}{x^2H}$$
 $g(x) = \frac{2x+3}{x+4}$

$$f(g(x)) = \frac{2x+3}{x+4} - 2 \quad \forall \quad 2x+3 - 2(x+4)$$

$$= \frac{2x+3}{x+4} + \frac{2}{x+4} + \frac{4}{x+4}$$

$$= \frac{2x+3}{x+4} - 2x - 7$$

$$= \frac{4x^2 + 12x + 9 - 2x^2 - 16x - 32}{x^2 + 12x + 7} + \frac{2x+3}{x+4}$$

$$= \frac{5x + 20}{x^2 + 14x + 73}$$

$$= \frac{5x + 20}{x^2 + 14x + 73}$$

$$= \frac{5x + 20}{x^2 + 14x + 73}$$

$$= \frac{2x - 4 + 3x^2 + 12}{x^2 + 14}$$

$$= \frac{2x - 4 + 3x^2 + 12}{x^2 + 14 + 4x^2}$$

$$= \frac{2x - 4 + 3x^2 + 12}{x^2 + 14 + 4x^2}$$

$$= \frac{3x^2 + 2x + 7}{4x^2 + x + 14}$$